novo nordisk fonden



The Novo Nordisk Foundation's vision is to contribute significantly to research and development that improves the lives of people and the sustainability of society.

Novo Nordisk Foundation

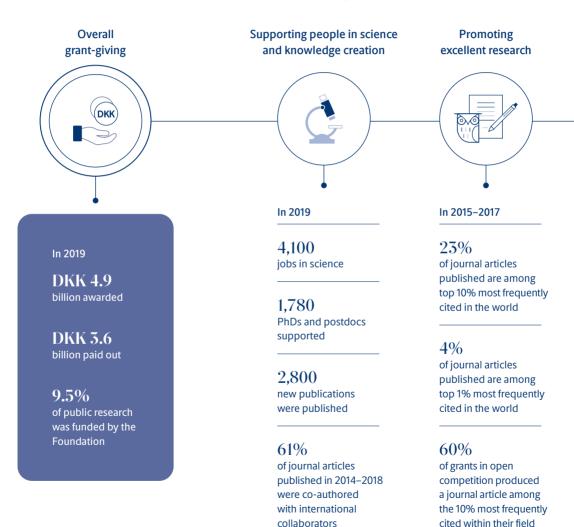
Funding public research for more than 90 years

Since 1927, the Novo Nordisk Foundation has awarded grants to researchers at universities and hospitals in Denmark and the other Nordic countries. Today, the Foundation supports research in biomedicine, biotechnology, general practice, nursing, art history and scientific objectives within innovation, education and outreach as well as humanitarian and social purposes.

Advocating public research

This brochure presents some highlights from the annual impact report showing the Foundation's input of resources and the subsequent effects on research, health and companies.

Key impact input, activities, output & outcome



Research-based innovation



In 2019

18%

of Foundation-funded journal articles cited in patent applications or granted patents 9 years after their publication

11%

of journal articles published were co-authored with industrial researchers

11 new spinouts were created

Education, outreach and policy contribution



In 2019

22,000

people reached by research-based educational activities taught or organised by grant recipients

300,000

people reached by scientific outreach activities (e.g. talks or workshops)

73
Foundation-supported members of guideline or policy committees

Health and patient care



In 2019

27,000

patients treated at Steno Diabetes Centres in Denmark

48

commercial products were found to be directly or indirectly linked to Foundationfunded journal articles published since 1994

54% of clinical diabetes guidelines published cited Foundation-funded research

Humanitarian aid



In 2014-2019

800,000

people supported in Foundation-funded humanitarian crisis initiatives

500,000

of those people were supported by acute humanitarian interventions

45

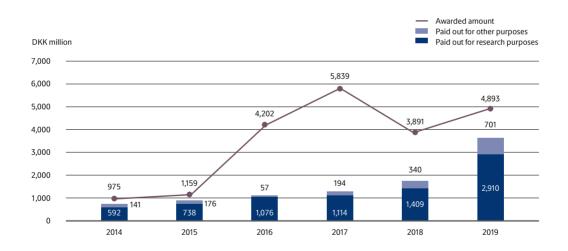
countries reached by Foundationfunded humanitarian interventions



Investing in knowledge and society

Development in grants and payouts from the Foundation

9.5% of public research was funded by the Foundation



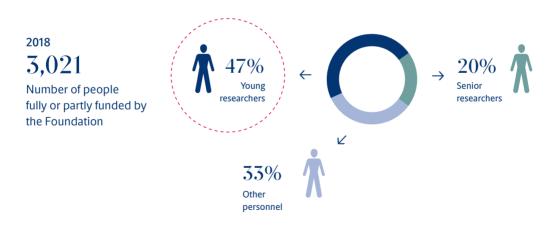
The Foundation has four grant-giving models and several grant instruments. As part of the Foundation's strategy, the total payout has increased for all grant-giving models and grant instruments used by the Foundation between 2014 and 2019.





Supporting people in science and knowledge creation

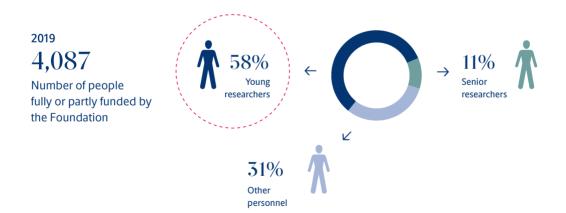
The number of people funded fully or partly by the Foundation, distributed between early career researchers and more senior researchers



11 percentage points

increase from 2018 to 2019

in the of the share of young researchers in science supported by the Foundation

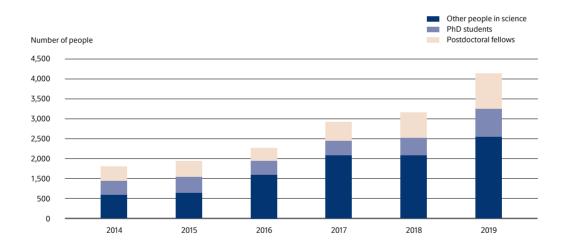




Supporting people in science and knowledge creation

Increase in number of people fully or partly supported by the Foundation, 2014–2019

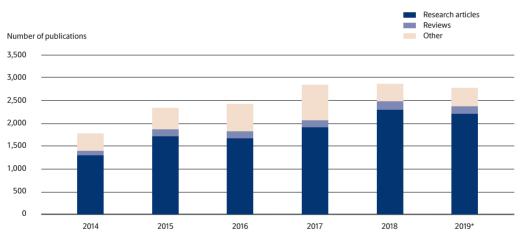
4,100 jobs in science



The Foundation aims to support the development of talents and that institutions can attract talented researchers from other countries at all career stages to Denmark. In 2019, the Foundation fully or partly funded 4,087 people within science or research hospital settings.

61%
of journal articles
published in 2014–2018 were co-authored
with international collaborators

Total number of publications published by recipients of Foundation grants, 2014–2019



* Preliminary estimate. The actual figure is likely to be higher, since every year in January grant recipients also report publications they have previously omitted.

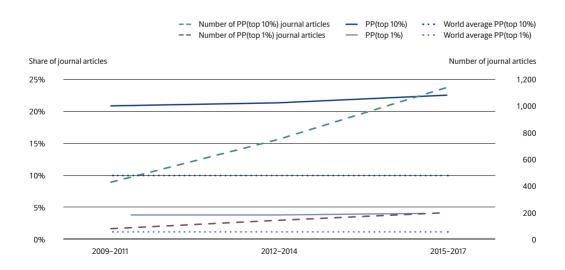
The Foundation aims to support research excellence, research collaboration and knowledge creation in all fields of science. In 2019, grant recipients reported almost 2,800 publications. Of the publications published from 2014 to 2019 funded by the Foundation, about 80% were journal articles (research articles and reviews) and 20% were other publications, such as policy papers, technical reports, letters and book chapters.



Using knowledge in academic research

The number and share of journal articles by Foundation grant recipients among the top 1% and 10% most frequently cited journal articles in the world, 2009–2017

23% of the journal articles are in the top 10% most frequently cited journal articles in 2015–2017



The Foundation tracks the share of Foundation-funded journal articles among the 1% and 10% most frequently cited journal articles worldwide. The Foundation-funded research maintains a steady fraction (4%) of the top 1% of global research according to this citation impact measure.

4%

of journal articles published are among the top 1% most frequently cited in the world.



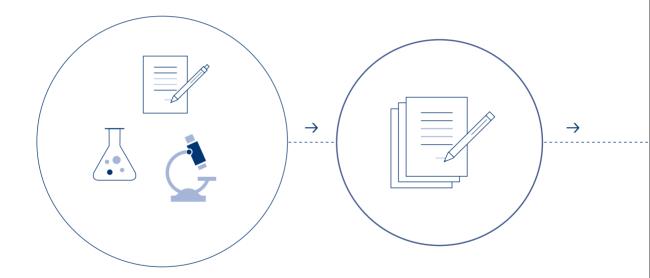
60%

of the funded research teams in open-competition grants produce a journal article among the 10% most frequently cited worldwide.





Research-based innovation

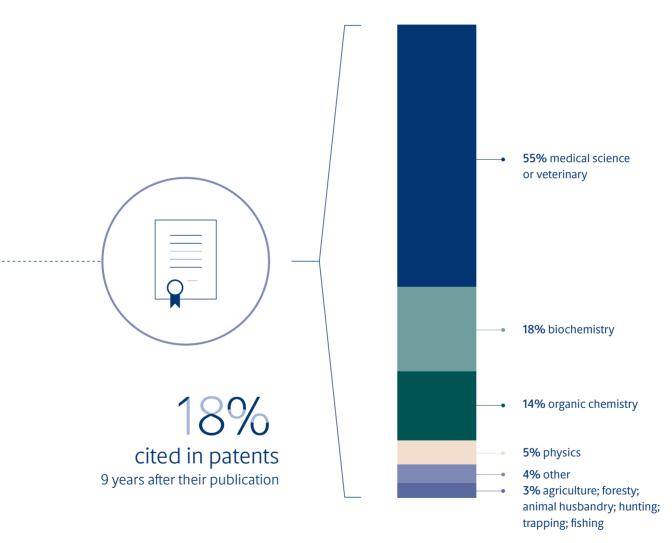


8,000 research and innovation grants since 2000

20,000

Foundation-funded journal articles since 2000

Technological classification





Using knowledge in education, outreach and policy contribution

Foundation-funded grants delivered knowledge to education, the general public and policy in 2019



Course activity

25% of grants include course activities

22,000 people reached



Outreach

28% of grants include outreach activities

300,000 people reached



Policy

305
contributions
to policy and practice reported
by 127 grants during 2015–2019

73 members of policy bodies



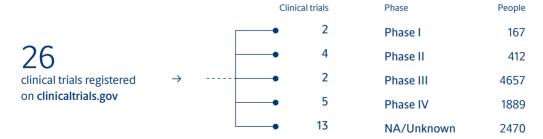
Foundation-supported grants turn research and discoveries into medical interventions, new technologies, treatments for diseases, clinical trials, health interventions and diagnostics, products and clinical guidelines.

37
clinical trials
supported by the
Foundation 2014–2019

9,595 people are enrolled

in the 26 clinical trials registered





Clinical guidelines and treatment recommendations citing Foundation-funded research

24% of 800 guidelines

that cover three areas of disease – diabetes, cardiovascular diseases and cancer – cite Foundation-funded journal articles



Diabetes

145 guidelines (2008–2019)





Cardiology

297 guidelines (2008–2019)





Cancer

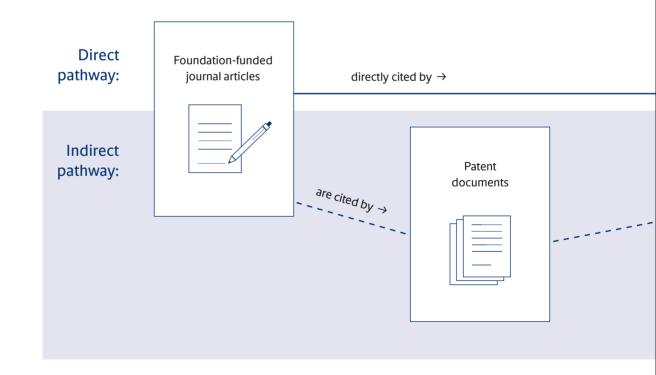
358 guidelines (2014–2019)



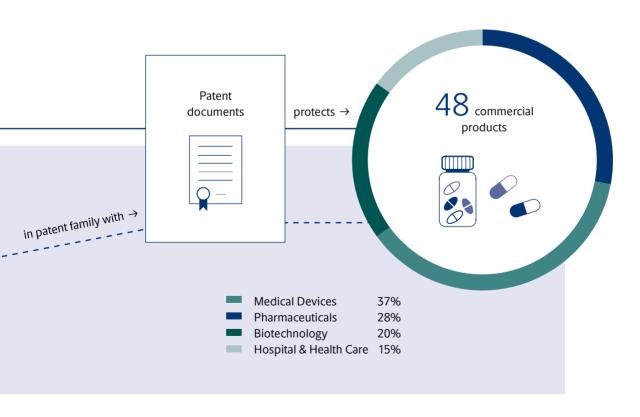


Using knowledge in the health sector

48 commercial products can be directly or indirectly linked to Foundation-funded journal articles



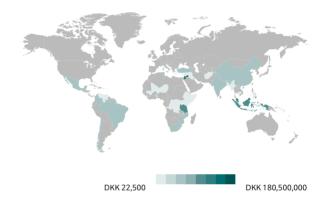
2,238 patent documents cite Foundation-funded journal articles from 1994 to 2017



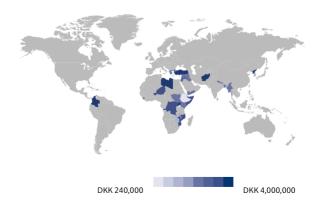


800,000 people have received development aid or humanitarian aid

Amount awarded by the Foundation for education, health and social causes, distributed geographically, 2014–2019



Amount awarded by the Foundation for acute humanitarian interventions distributed geographically, 2014–2019



Sustainable Development Goals

In 2014–2019, the Novo Nordisk Foundation's grant-awarding activities led to actions that support the 17 UN Sustainable Development Goals (SDGs). Most grants have relevance for up to three SDGs each.



1 POVERTY

160 grants 88 DKK million CLEAN ENERGY

13 grants 4 DKK million 13 CLIMATE ACTION

39 grants 245 DKK million

2 ZERO HUNGER

122 grants
52 DKK million

DECENT WORK AND ECONOMIC GROWTH

975 grants 1,799 DKK million 14 BELOW WATER

1 grant 1 DKK million

3 GOOD HEALTH AND WELL-BEING

1,665 grants 5,052 DKK million

AND INFRASTRUCT

2,162 grants 6,969 DKK million

15 on Land

76 grants 64 DKK million

4 QUALITY EDUCATION

1,138 grants
1,866 DKK million

INEQUALITI

137 grants 201 DKK million AND STRONG INSTITUTIONS

1 grants
1 DKK million

5 GENDER EQUALITY



5 grants3 DKK million

7 grants 1 DKK million 8

188 grants 4,367 DKK million

6 CLEAN WATER AND SANITATION



57 grants11 DKK million

12 RESPONSIBLE CONSUMPTION AND PRODUCTIO

167 grants 231 DKK million

Benefiting people





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